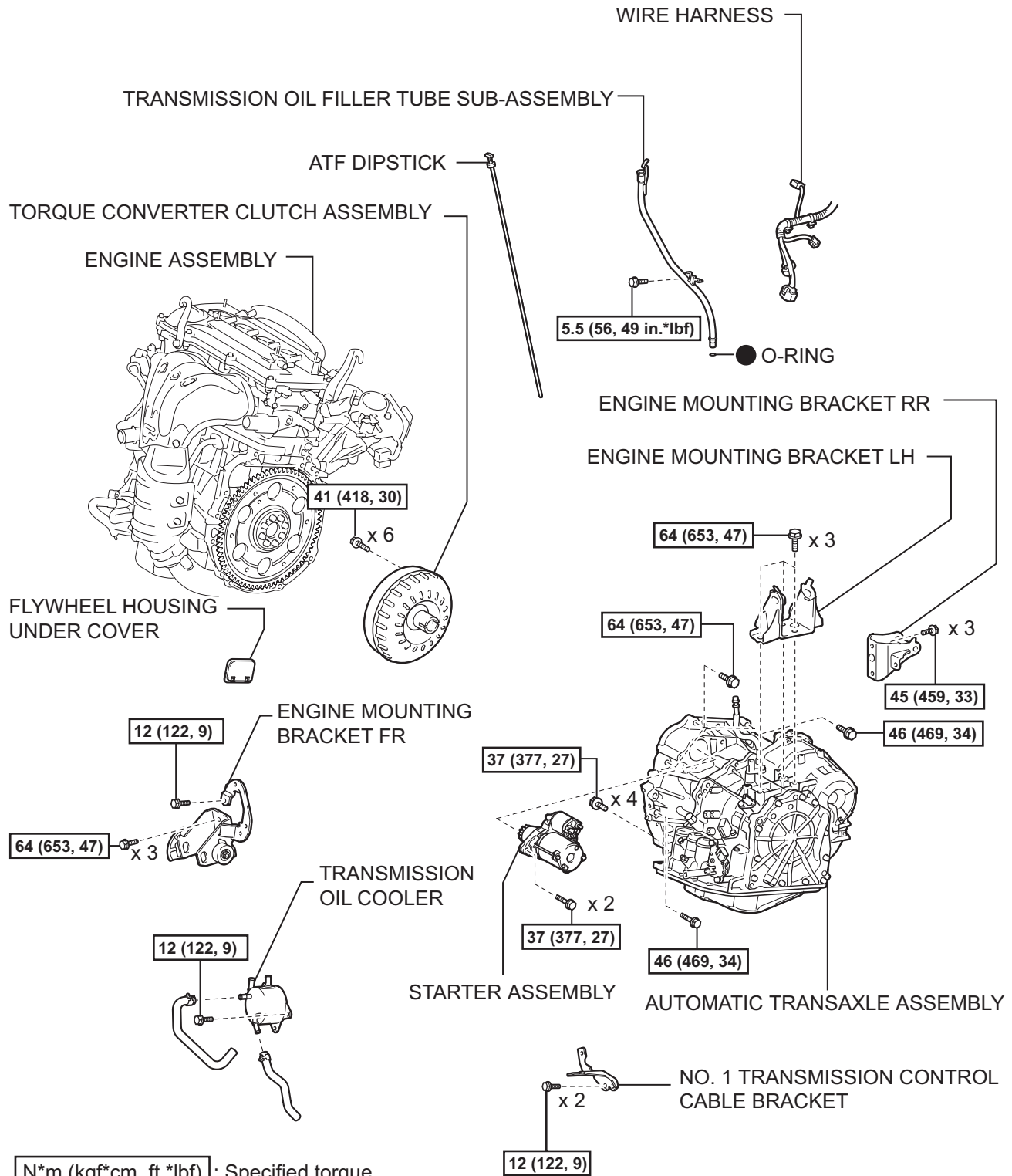


AUTOMATIC TRANSAXLE ASSEMBLY

COMPONENTS

AX


REMOVAL

1. REMOVE ENGINE ASSEMBLY WITH TRANSAXLE

- (a) Remove the engine with transaxle (see page [EM-98](#)).

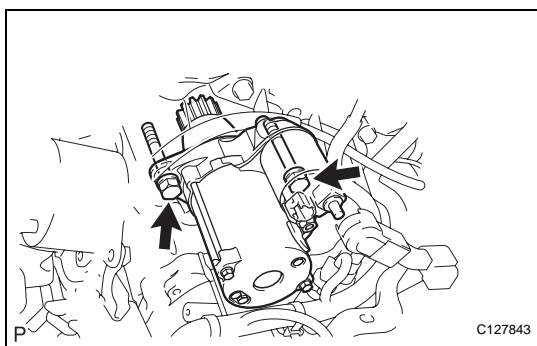
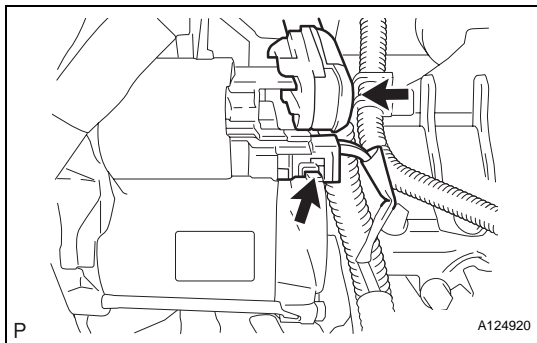
2. DRAIN AUTOMATIC TRANSAXLE FLUID

- (a) Remove the drain plug and gasket, and drain ATF.
(b) Install a new gasket and the drain plug.

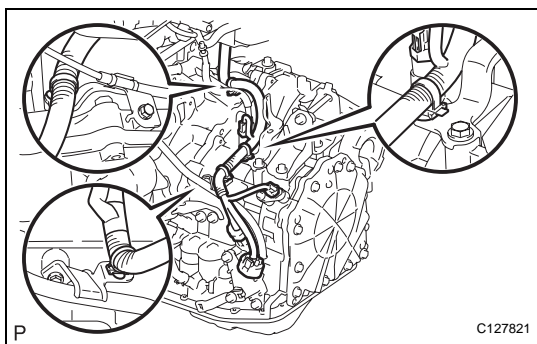
Torque: 47 N*m (479 kgf*cm, 35 ft.*lbf)

3. REMOVE STARTER ASSEMBLY

- (a) Disconnect the starter connector.
(b) Open the terminal cap, and remove the nut and disconnect the starter wire.



- (c) Remove the 2 bolts and starter.

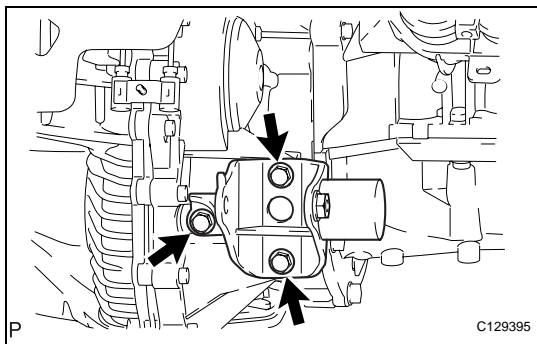


4. DISCONNECT WIRE HARNESS

- (a) Disconnect the park/neutral position switch connector.
(b) Disconnect the transaxle wire connector.
(c) Disconnect the speed sensor connectors.
(d) Disconnect the wire harness clamps.

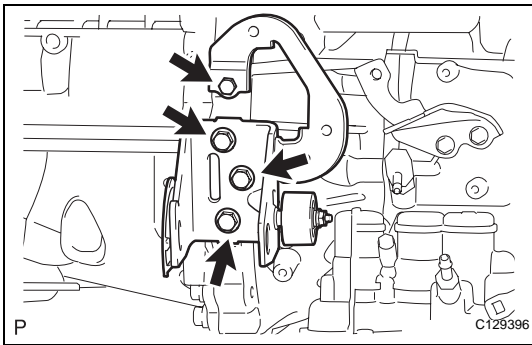
5. REMOVE TRANSMISSION OIL COOLER

- (a) Remove the oil cooler (see page [AX-127](#)).

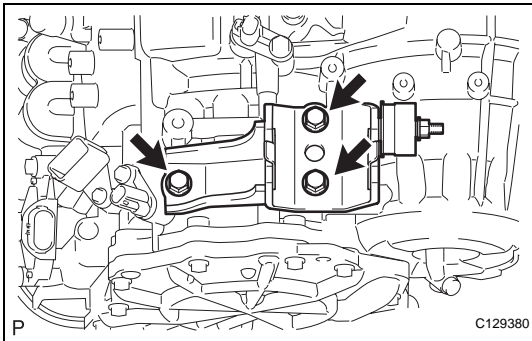


6. REMOVE ENGINE MOUNTING BRACKET RR

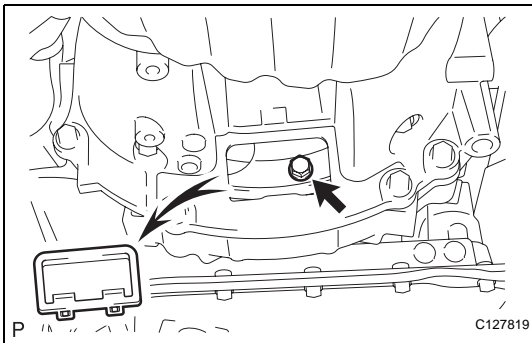
- (a) Remove the 3 bolts and mounting bracket.

**7. REMOVE ENGINE MOUNTING BRACKET FR**

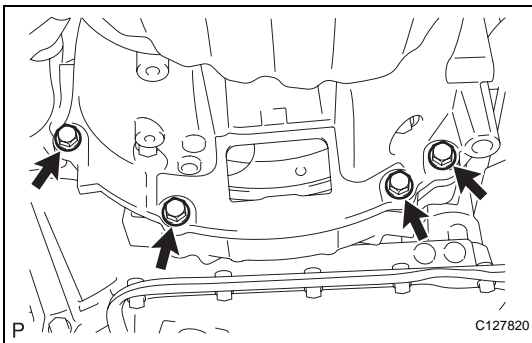
- (a) Remove the 4 bolts and mounting bracket.

**8. REMOVE ENGINE MOUNTING BRACKET LH**

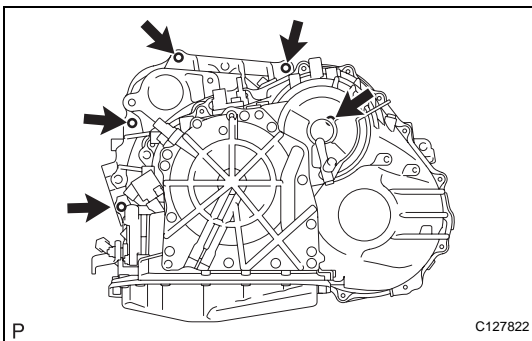
- (a) Remove the 3 bolts and mounting bracket.

**9. REMOVE AUTOMATIC TRANSAXLE ASSEMBLY**

- (a) Remove the flywheel housing under cover.
(b) Turn the crankshaft to gain access and remove the 6 bolts while holding the crankshaft pulley bolt with a wrench.

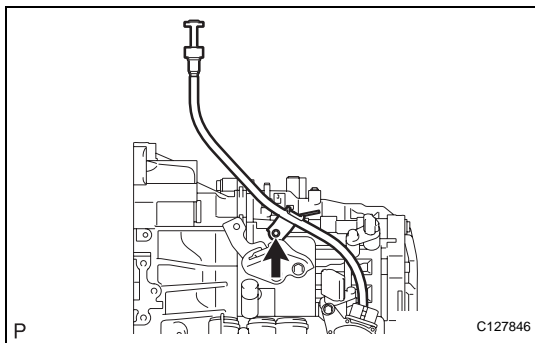


- (c) Remove the 4 lower side mounting bolts.

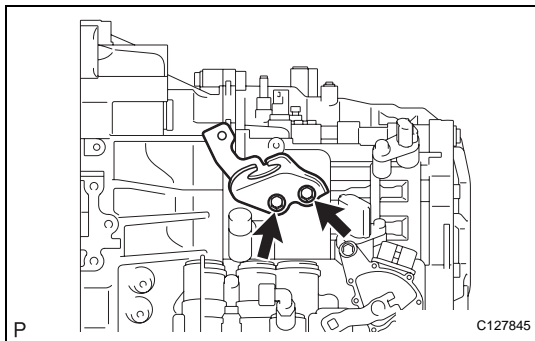


- (d) Remove the 5 upper side mounting bolts.
(e) Separate and remove the automatic transaxle.

AX

**10. REMOVE TRANSMISSION OIL FILLER TUBE SUB-ASSEMBLY**

- (a) Remove the ATF dipstick.
- (b) Remove the bolt and oil filler tube.

**11. REMOVE NO. 1 TRANSMISSION CONTROL CABLE BRACKET**

- (a) Remove the 2 bolts and cable bracket.

12. REMOVE TORQUE CONVERTER CLUTCH ASSEMBLY

INSTALLATION

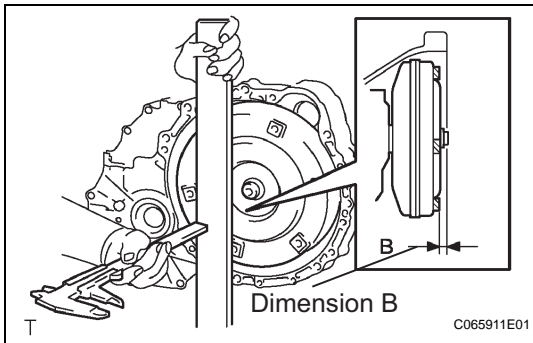
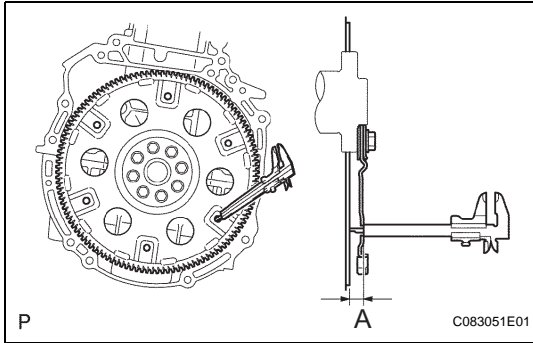
1. INSPECT TORQUE CONVERTER CLUTCH ASSEMBLY

- (a) Inspect the torque converter (see page [AX-152](#)).

2. INSTALL TORQUE CONVERTER CLUTCH ASSEMBLY

- (a) Install the torque converter clutch to the automatic transaxle.
- (b) Using a vernier caliper, measure dimension A between the transaxle and the end surface of the drive plate.

AX



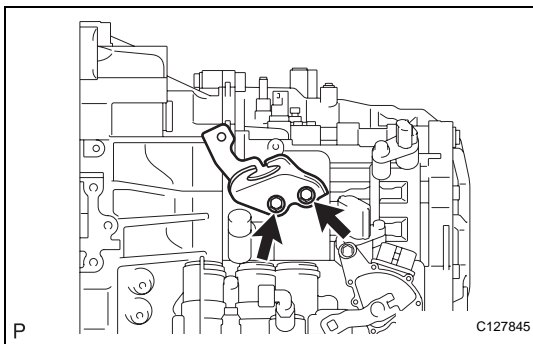
- (c) Using a vernier caliper and straightedge, measure the dimension B shown in the illustration and check that B is greater than A.

Standard dimension:

A + 1.0 mm (0.039 in.) or more

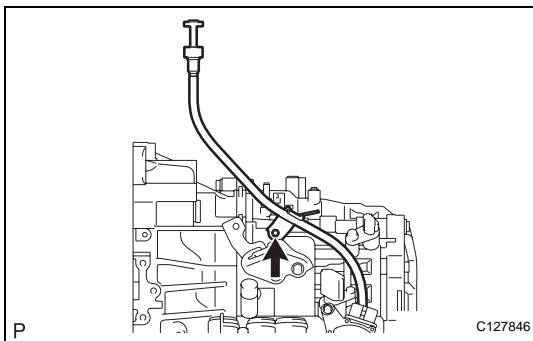
3. INSTALL NO. 1 TRANSMISSION CONTROL CABLE BRACKET

- (a) Install the cable bracket with the 2 bolts.
Torque: 12 N*m (122 kgf*cm, 9 ft.*lbf)

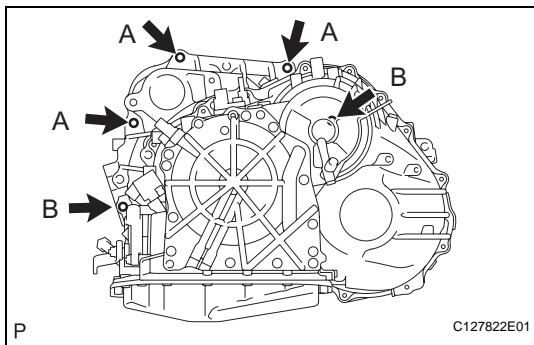


4. INSTALL TRANSMISSION OIL FILLER TUBE SUB-ASSEMBLY

- (a) Install the filler tube with the bolt.
Torque: 5.5 N*m (56 kgf*cm, 49 in.*lbf)
- (b) Install the ATF dipstick.



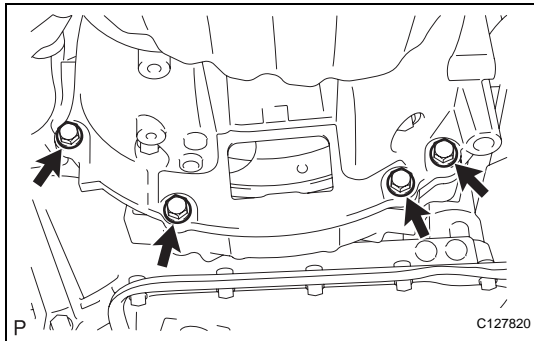
AX



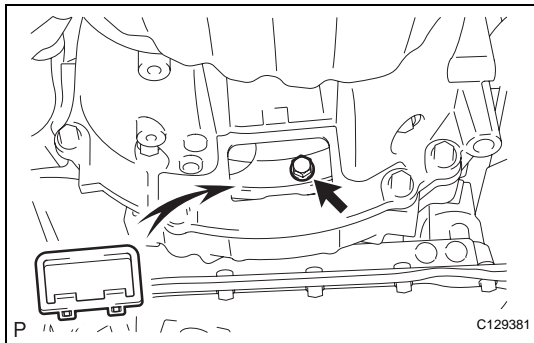
5. INSTALL AUTOMATIC TRANSAXLE ASSEMBLY

- (a) Install the automatic transaxle with the 5 upper side mounting bolts to the engine.

Torque: 64 N*m (653 kgf*cm, 47 ft.*lbf) for bolt A
46 N*m (469 kgf*cm, 34 ft.*lbf) for bolt B



- (b) Install the 4 lower side mounting bolts.
Torque: 37 N*m (377 kgf*cm, 27 ft.*lbf)

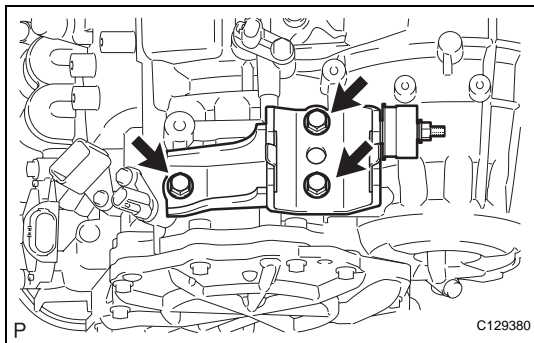


- (c) Install the 6 torque converter clutch mounting bolts.
Torque: 41 N*m (418 kgf*cm, 30 ft.*lbf)

HINT:

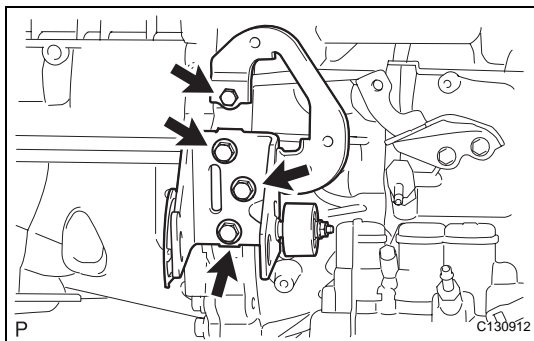
First install the green colored bolt and then the 5 bolts.

- (d) Install the flywheel housing under cover.



6. INSTALL ENGINE MOUNTING BRACKET LH

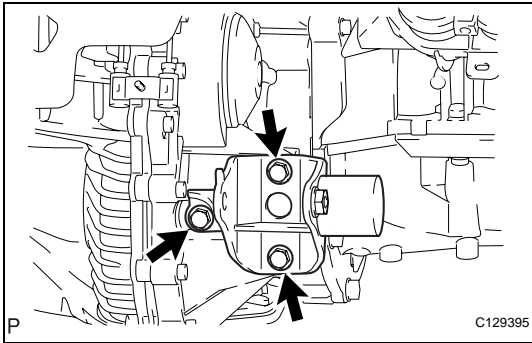
- (a) Install the mounting bracket with the 3 bolts.
Torque: 64 N*m (653 kgf*cm, 47 ft.*lbf)



7. INSTALL ENGINE MOUNTING BRACKET FR

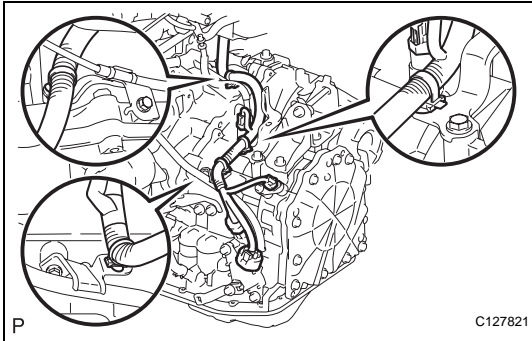
- (a) Install the mounting bracket with the 4 bolts.

Torque: 64 N*m (657 kgf*cm, 47 ft.*lbf) for 14 mm head bolt
12 N*m (122 kgf*cm, 9 ft.*lbf) for 12 mm head bolt

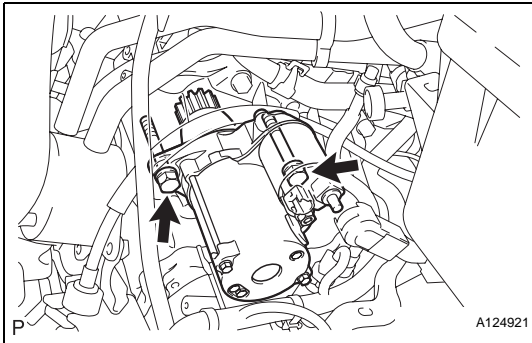


- 8. INSTALL ENGINE MOUNTING BRACKET RR**
 (a) Install the mounting bracket with the 3 bolts.
Torque: 45 N*m (459 kgf*cm, 33 ft.*lbf)

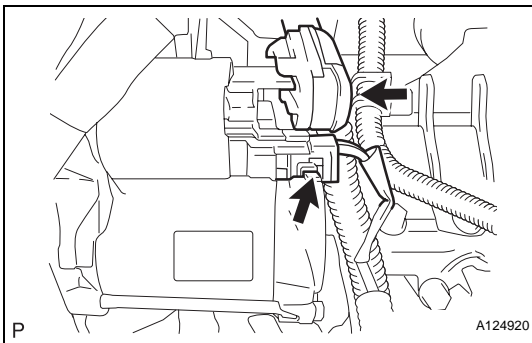
- 9. INSTALL TRANSMISSION OIL COOLER**
 (a) Install the oil cooler (see page [AX-127](#)).



- 10. CONNECT WIRE HARNESS**
 (a) Connect the wire harness clamps.
 (b) Connect the speed sensor connectors.
 (c) Connect the transaxle wire connector.
 (d) Connect the park/neutral position switch connector.



- 11. INSTALL STARTER ASSEMBLY**
 (a) Install the starter with the 2 bolts.
Torque: 37 N*m (377 kgf*cm, 27 ft.*lbf)



- (b) Connect the starter wire with the nut.
Torque: 13 N*m (133 kgf*cm, 10 ft.*lbf)
 (c) Connect the starter connector.
 (d) Install the terminal nut and cover the nut with the cap.
Torque: 9.8 N*m (100 kgf*cm, 7 in.*lbf)

- 12. INSTALL ENGINE ASSEMBLY WITH TRANSAXLE**
 (a) Install the engine with transaxle (see page [EM-105](#)).

- 13. ADD AUTOMATIC TRANSAXLE FLUID**
Fluid type:
Toyota Genuine ATF WS

- 14. INSPECT AUTOMATIC TRANSAXLE FLUID**
 (a) Inspect the automatic transaxle fluid (see page [AX-102](#)).

- 15. PERFORM RESET MEMORY**
 (a) Perform the RESET MEMORY procedures (A/T initialization) (see page [AX-18](#)).